

Form PTO-1449 (Substituted) APR 07 2003 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number LAZE-01000US0 SRM/MLR	Serial/Patent Number 09/465,592	
				Applicant/Patent Owner Culver, Rust		
				Filing/Issue Date 12/17/99	Group Art Unit 2653	

U.S. PATENTS

Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
kc	1.	5,822,285	10/13/98	Rugar et al.	369	44.26	03/31/97
kc	2.	5,835,477	11/10/98	Binnig et al.	369	126	07/10/96
gr	3.	5,856,967	01/05/99	Mamin et al.	369	126	08/27/97

U.S. PATENT PUBLICATIONS

Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
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PENDING U.S. PATENT APPLICATIONS

Examiner Initial		Application Number	Filing Date	First Named Inventor	Technology Center 2600 Petition to Expunge? Yes No

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Trans-lation Yes No

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)

kc	4.	Barrett, R.C. and Quate, C.F., "Large-scale charge storage by scanning capacitance microscopy," Ultramicroscopy 42-44 (1992) pp. 262-267.
kc	5.	Gardner, E., "AFM Fabricates a Tiny Transistor," Science, Vol. 266, 28 October 1994, p. 543.
kc	6.	Hagan, H.P., et al., "Temporal behaviour of nanofeatures on Au," Ultramicroscopy, 42-44 (1992), pp. 587-593.
gr	7.	Majumdar, A., et al., "Nanometer-scale lithography using the atomic force microscope," Appl. Phys. Lett., Vol. 61, No. 19, 9 November 1992, pp. 2293-2295.
gr	8.	Mamin, H.J. and Ruger, D., "Thermomechanical writing with an atomic force microscope tip," App. Phys. Lett., Vol. 61, No. 8, 24 August 1992, pp. 1003-1005.



OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)		
9.	Mamin, H.J., et al., "High Density data storage using proximal probe techniques," The IBM Journal of Research and Development, Vol. 39, No. 6, November 1995, pp. 681-699.	
10.	Manalis, S., et al., "Submicron studies of recording media using thin-film magnetic scanning probes," Applied Physics Letters, Vol. 66, No. 19, 8 May 1995, pp. 2585-2587.	
11.	Terris, B.D., et al., "Atomic force microscope-base data storage: track servo and wear study," Applied Physics A Vol. 66, pp. S809-S813 (1998), (IBM Almaden Research Center, presented STM 97).	
12.	Uesugi, K. and Yao, T., "Nanometer-scale fabrication on graphite surfaces by scanning tunneling microscopy," Ultramicroscopy, 42-44 (1992), pp. 1443-1445.	
13.	Vettiger, P., et al., "The 'Millipede' — More than one thousand tips for future AFM data storage," The IBM Journal of Research and Development, Vol. 44, No. 3, May 2000, pp. 323-340.	
14.	Vettiger, P. and Binnig, G., "The Nanodrive Project, Inventing a Nanotechnology Device for Mass Production and Consumer Use is Trickier Than it Sounds," Scientific American, Vol. 288, No. 1, January 2003, pp. 46-53.	
Examiner	<u>Kim Chm</u>	Date Considered <u>5/15/03</u>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
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